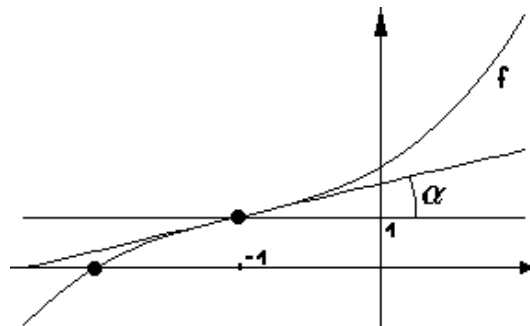


Übungen in Analysis \diamond Exercices en Analyse \diamond T. B2 \diamond II / 4

- Probl. 1** $f(x) = ax^3 + bx^2 + cx + d$,
 $f(-2) = 0$, $f'(-1) = 0.5$
 $f''(-1) = 0$, $f(-1) = 1$,
 $\tan(\alpha) = 0.5$,
 $f'(0) = ?$, $f(1) = ?$, $f(2) = ?$



- Probl. 2** $f(x) = a e^{-x^2}$, $f(0) = 2$, $a = ?$
 $f'(x) = 0$, $x = ?$
 $f''(x) = 0$, $x = ?$
 Skizze? • *Esquisse?*